

FORM PTO-1390 (Modified)  
(REV 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

101215-74

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

**10/009451**INTERNATIONAL APPLICATION NO.  
**PCT/EP01/02566**INTERNATIONAL FILING DATE  
**7 March 2001 (07.03.01)**PRIORITY DATE CLAIMED  
**8 March 2000 (08.03.00)**

## TITLE OF INVENTION

**METHOD AND DEVICE FOR A FAST CONTINUAL DETECTION OF CHANGES IN THE  
CONCENTRATION**

## APPLICANT(S) FOR DO/EO/US

**Klaus FREYER, Hanns-Christian TREUTLER and Gunther JUST**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

**Items 13 to 20 below concern document(s) or information included:**

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☒ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Certificate of Mailing by Express Mail
23. ☒ Other items or information:

**Appendix**

U.S. APPLICATION NO. (IF KNOWN, SEE <b>10/009451</b> )		INTERNATIONAL APPLICATION NO. <b>PCT/EP01/02566</b>		ATTORNEY'S DOCKET NUMBER <b>101215-74</b>	
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24. The following fees are submitted: <b>BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) :</b>				<b>CALCULATIONS PTO USE ONLY</b>	
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1040.00</b>					
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$890.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$740.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$710.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b>					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>\$890.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				<b>\$0.00</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	9 - 20 =	0	x \$18.00	<b>\$0.00</b>	
Independent claims	1 - 3 =	0	x \$84.00	<b>\$0.00</b>	
Multiple Dependent Claims (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$890.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.				<b>\$445.00</b>	
<b>SUBTOTAL =</b>				<b>\$445.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$445.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$445.00</b>	
				Amount to be: refunded	\$
				charged	\$

a. ☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. **14-1263** in the amount of **\$445.00** to cover the above fees. A duplicate copy of this sheet is enclosed.

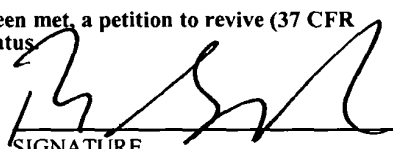
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **14-1263**. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**Bruce S. Londa**  
**Norris, McLaughlin & Marcus P.A.**  
**220 East 42nd Street, 30th Floor**  
**New York, N.Y. 10017**  
**212-808-0700**  
**Fax: 212-808-0844**

  
 SIGNATURE

**Bruce S. Londa**  
 NAME

**Reg. No. 33,531**  
 REGISTRATION NUMBER

**November 8, 2001**  
 DATE

EXPRESS MAIL CERTIFICATE

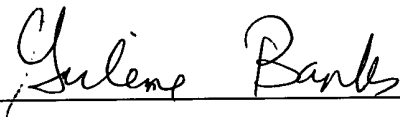
"Express Mail" mailing label number EL 867734328 US  
Date of Deposit November 8, 2001

I hereby certify that the following items:

1. Transmittal Letter to the United States Designated/Elected Office  
(In duplicate)
2. English Translation of the International Application consisting of:  
Description - pgs. 1-5; Claims - pgs.6 & 7; Summary - 1 page and  
1 Drawing Sheet
3. Copy of International Search Report
4. Information Disclosure Statement, Form PTO-1449, citing and attaching  
Two (2) References
5. Preliminary Amendment
6. Copy of Published International Application WO 01/66227 A2
7. Appendix citing Title, List of Inventors, Claim to Priority, and  
Certificate of Mailing
8. Return Receipt Post Card

are being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the: Hon. Commissioner for Patents, Washington, D.C. 20231, Box PCT.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By 

**APPENDIX**

Attorney Docket No.: 101215-74

**TITLE:** METHOD AND DEVICE FOR A FAST AND CONTINUAL  
DETECTION OF CHANGES IN THE CONCENTRATION OF RADON  
GAS DISSOLVED IN WATER

**LIST OF INVENTORS:**

1. Klaus FREYER
2. Hanns-Christian TREUTLER
3. Günther JUST

**CLAIM TO PRIORITY:**

Priority is hereby claimed under 35 U.S.C. 119 on the basis of German Application Serial No. 100 10 558.0, filed on March 8, 2000; German Application Serial No. 197 11 110.6, filed on March 6, 1997; and German Application Serial No. 196 21 158.4, filed on May 14, 1996.

Priority is hereby claimed as a Continuation-in-Part under 35 U.S.C. 120, of U.S. Serial No. 09/180,706, filed on November 13, 1998

**"Express Mail" Mailing Label No. EL867734328US**

Date of Deposit: November 8, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Hon. Commissioner for Patents, Washington, D.C. 20231, Box PCT Application.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By: 